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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/561,350

03/07/2007

Hiroyuki Nemoto

NSG-256US

9657

23122 7590 09/26/2008
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EXAMINER

JONES, JAMES

ART UNIT

PAPER NUMBER

2873

MAIL DATE

DELIVERY MODE

09/26/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/561,350	Applicant(s) NEMOTO ET AL.	
	Examiner JAMES C. JONES	Art Unit 2873	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 6-12 and 14 is/are rejected.
- 7) ☒ Claim(s) 5 and 13 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 December 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>12/19/2005</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 12/19/2005 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4, 6-12, and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Mitsubishi (JP 2000-292861) hereafter Mitsubishi.

'861 discloses the limitations therein including the following:

Regarding claims 1 and 7 Mitsubishi discloses a resin optical component made of resin having a high transmittance with respect to light in a required wavelength band (fig. 1, par. [0007]-[0011]), comprising: resin portions which are discolored by energy in

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an absorption wavelength band of the resin (fig. 1, par. [0007]-[0010]), wherein the discolored resin portion constitutes a high light absorptance portion (fig. 1, par. [0007]-[0010]).

Regarding claims 2 and 10 Mitsubishi discloses a resin optical component according to claim 1, wherein the resin optical component is a resin lens consisting of a spherical or aspherical convex micro lens (fig. 1), and the high light absorptance portion is formed in the resin outside an area for transmitting the light and constitutes a light-shielding wall for interrupting a stray light (fig. 1, par. [0007]-[0008]).

Regarding claims 3 and 11 Mitsubishi discloses a resin optical component according to claim 1, wherein the resin optical component is a resin lens array plate comprising a plurality of spherical or aspherical convex micro lenses which are arrayed at a predetermined pitch (fig. 1), and the high light absorptance portion is formed in the resin among neighbored convex micro lenses and constitutes a light-shielding wall for interrupting a stray light (fig. 1, par. [0007]-[0008]).

Regarding claims 4 and 12 Mitsubishi discloses a resin optical component according to claim 1, wherein the resin optical component is a resin lens array plate comprising a plurality of spherical or aspherical convex micro lenses which are arrayed at a predetermined pitch (fig. 1), and the high light absorptance portion is formed in the resin among the respective peripheries of neighbored convex micro lenses and constitutes a light-shielding wall for interrupting a stray light (fig. 1 "3" as the "light-shielding wall").

Regarding claims 6 and 14 Mitsubishi discloses a resin optical component

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according to any one of claims 1-4, wherein the resin is a cycloolefin-based resin, olefin-based resin, or norbornene-based resin (par. [0011]).

Regarding claim 8 Mitsubishi discloses a method for manufacturing a resin optical component according to claim 7, wherein the energy is light or radiation (par. [0011]).

Regarding claim 9 Mitsubishi discloses a method for manufacturing a resin optical component according to claim 8, wherein the energy is a laser beam (par. [0011]).

Allowable Subject Matter

Claims 5 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: with respect to the allowable claims, none of the prior art either alone or in combination disclose or teach of the claimed combination limitations to warrant a rejection under 35 USC 102 or 103. Specifically, in reference to claims 5 and 13, none of the prior art either alone or in combination disclose or teach of the claimed resin optical component and method for manufacturing a resin optical component specifically including, as the distinguishing features in combination with the other limitations the claimed " light-shielding wall is formed one-third or more the thickness of the resin lens array plate in a thickness direction thereof".

Conclusion

Honda et al. (20040136064) is being cited herein to show a reference that discloses some similar features to that of the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES C. JONES whose telephone number is (571)270-1278. The examiner can normally be reached on Monday thru Friday, 8 a.m. to 5 p.m. est. time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on (571) 272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/James C. Jones/
Examiner, Art Unit 2873
9/18/2008

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/Jordan M. Schwartz/
Primary Examiner, Art Unit 2873